



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/791,209  
Source: IFW  
Date Processed by STIC: 3/10/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313 1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

## Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: <u>10791209</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input checked="" type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: <u>Unknown</u> , <u>Artificial Sequence</u> , or <u>scientific name (Genus/species)</u> . <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n/Xaa	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>	



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/791,209

DATE: 03/10/2004

TIME: 16:44:32

Input Set : A:\SEQUENCE.ST25.txt

Output Set: N:\CRF4\03102004\J791209.raw

3 <110> APPLICANT: Hahn, Soonkap  
 5 <120> TITLE OF INVENTION: DETECTION OF STRP, SUCH AS FRAGILE X SYNDROME  
 7 <130> FILE REFERENCE: 81671  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/791,209  
 C--> 9 <141> CURRENT FILING DATE: 2004-03-01

9 <160> NUMBER OF SEQ ID NOS: 6  
 11 <170> SOFTWARE: PatentIn version 3.2

13 &lt;210&gt; SEQ ID NO: 1

14 &lt;211&gt; LENGTH: 21

15 &lt;212&gt; TYPE: DNA

16 &lt;213&gt; ORGANISM: primer

18 &lt;400&gt; SEQUENCE: 1

19 gtcaggcgct cagctccggt t

22 &lt;210&gt; SEQ ID NO: 2

23 &lt;211&gt; LENGTH: 27

24 &lt;212&gt; TYPE: DNA

25 &lt;213&gt; ORGANISM: primer

27 &lt;400&gt; SEQUENCE: 2

28 ctctccatc ttctcttcag cctgct

31 &lt;210&gt; SEQ ID NO: 3

32 &lt;211&gt; LENGTH: 15

33 &lt;212&gt; TYPE: DNA

34 &lt;213&gt; ORGANISM: target sequence

36 &lt;400&gt; SEQUENCE: 3

37 cgccgccgcc gccgc

40 &lt;210&gt; SEQ ID NO: 4

41 &lt;211&gt; LENGTH: 33

42 &lt;212&gt; TYPE: DNA

43 &lt;213&gt; ORGANISM: target sequence

45 &lt;400&gt; SEQUENCE: 4

46 catcttctct tcagccctgc tagcgccggg agc

49 &lt;210&gt; SEQ ID NO: 5

50 &lt;211&gt; LENGTH: 33

51 &lt;212&gt; TYPE: DNA

52 &lt;213&gt; ORGANISM: probe

54 &lt;400&gt; SEQUENCE: 5

55 gctcccgccg ctagcagggc tgaagagaag atg

58 &lt;210&gt; SEQ ID NO: 6

59 &lt;211&gt; LENGTH: 30

60 &lt;212&gt; TYPE: DNA

61 &lt;213&gt; ORGANISM: probe

63 &lt;400&gt; SEQUENCE: 6

64 cggcggcggc ggcgggcgcg gcgcgggcg

Does Not Comply  
 Corrected Diskette Needed

Invalid Response, mandatory, <213> Response has to be either Artificial/Unknown or Genus Species.  
 Insert this response in section 223

Invalid response

please see  
 item #10  
 on error summary  
 sheet

Invalid Response

Invalid Response

Invalid Response

Invalid Response

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/791,209

DATE: 03/10/2004

TIME: 16:44:33

Input Set : A:\SEQUENCE.ST25.txt

Output Set: N:\CRF4\03102004\J791209.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date